MISSOURI DEPARTMENT OF NATURAL RESOURCES

Management Standards for Used Oil Generators

Technical Bulletin

6/2002 Hazardous Waste Program

Used Oil

Used oil is defined as petroleum-derived and synthetic oils which have been spilled into the environment or used for lubrication or cutting oil, heat transfer, hydraulic power or insulation in dielectric transformers. Oils used as solvents and used ethylene glycol are not defined as used oil.

The improper disposal of used oil causes needless damage to ground and surface water and wastes a valuable renewable resource, making us more dependent on imported oil.

The Missouri Department of Natural Resources encourages used oil generators to recycle their used oil. Recycling programs protect the environment and save money. This technical bulletin describes the management standards for used oil generators under 10 CSR 25-11.279, which became effective on Aug. 28, 1994.

Generators

A generator is any business which produces used oil through commercial or industrial operations, or that collects it from these operations or from private households and exempted farmers. Householders who change their own oil (do-it-yourselfers) are not covered by the used oil regulation. Farmers who generate an average of 25 gallons or less of used oil per month from farm vehicles or machinery in a calendar year are also exempt. Generators are no longer required to register with the department prior to shipping used oil.

Management Standards

Used oil generators must comply with the following standards:

- Keep storage tanks and containers in good condition and labeled "used oil";
- Keep tanks and containers that are exposed to rainfall closed except when adding or removing used oil;
- Clean up any used-oil spills or leaks to the environment; and
- Use a transporter with a Missouri Department of Natural Resources license and a U.S. Environmental Protection Agency identification number.

Mixtures

Used oil as generated is managed as used oil whether or not it exhibits hazardous characteristics. However, generators should not mix used oil with hazardous waste. Mixtures of used oil and hazardous waste are hazardous waste. The only allowed mixing is mixtures of used oil with characteristic ignitable hazardous waste and listed hazardous waste which is listed solely because it is ignitable. The resultant mixture must not exhibit the characteristic of ignitability.

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Conditionally exempt small quantity generators of hazardous waste are allowed to mix their ignitable hazardous waste with used oil and manage the mixture as used oil as long as the subsequent mixture is not ignitable.

Self Transportation

Generators are allowed to self-transport up to 55 gallons of used oil to approved collection centers or aggregation points owned by the same generator, so long as they use their own vehicle or an employee's vehicle to self-transport the used oil.

Space Heaters

Generators may burn their own used oil, as well as used oil received from household do-it-yourselfers and exempt farmers, in used oil-fired space heaters which have a design capacity of not more than 0.5 million Btu per hour and are vented to the ambient air. The department is no longer requiring resource recovery certification for this activity.

On-site Treatment

The following activities are not considered processing so long as the used oil is generated on-site and is not sent to an off-site used oil burner:

- Filtering, cleaning, or reconditioning for the generator's re-use;
- Separating used oil from wastewater to allow wastewater discharge or re-use;
- Using oil mist collectors to make plant air suitable for re-circulation;
- Removing excessive oil from oily waste; and
- Filtering, separating, or reconditioning used oil for use in an on-site space heater.

Additional Information

Technical bulletins on the following related topics can be obtained by contacting the Department of Natural Resources:

- *Used Oil and Oily Waste Disposal*
- *Used Oil Collection Centers and Aggregation Points*
- *Used Oil Transporters*
- *Burners of Off-Specification Used Oil*
- *Used Oil Processors and Re-refiners*
- *Used Oil Marketers*

For more information on the Used Oil Management Standards or for copies of technical bulletins call or write:

Missouri Department of Natural Resources
Hazardous Waste Program
P.O. Box 176, Jefferson City, MO 65102-0176
1-800-361-4827 or (573) 751-3176
(573) 751-7869 fax
(www.dnr.state.mo.us/alpd/hwp) Program Home Page

If you are using a Telecommunications Device for the Deaf (TDD), please call Relay Missouri at 1.800-735-2966.